Link Parameters	Units	1M56G7W
Uplink frequency	GHz	14.25
Downlink frequency	GHz	11.95
Occupied bandwidth	kHz	1556.5
Uplink:		
Nominal E/S e.i.r.p. per carrier	dBW	56.4
Earth station diameter	m	3.0
Earth station gain	dBi	51.2
Uplink input power per carrier	dBW	5.2
Atmospheric loss	dB	0.3
Free space path loss	dB	207.2
G/T satellite (-3dB contour)	dB/K	7.5
C/N thermal uplink	dB	23.0
C/I XPOL, ACI, IM, ASI	dB	21.0
C/(N+I) uplink	dB	18.9
Downlink:		
Satellite e.i.r.p. per carrier (-3dB contour)	dBW	31.1
Atmospheric loss	dB	0.2
Free space path loss	dB	205.7
Earth station diameter	m	3.0
Earth station gain	dBi	49.6
Noise temperature	K	110.0
Earth station G/T	dB/K	29.2
C/N thermal downlink	dB	21.1
C/I XPOL, ACI, IM, ASI	dB	19.1
C/(N+I) downlink	dB	15.8
Overall:		
C/(N+I) overall	dB	14.1
C/(N+I) required	dB	8.2
System Margin	dB	5.9